

**WEST**☐ Generate Collection

L1: Entry 1 of 2

File: JPAB

Sep 30, 1997

PUB-NO: JP409255529A

DOCUMENT-IDENTIFIER: JP 09255529 A

TITLE: OIL-IN-WATER TYPE EMULSION COMPOSITION

PUBN-DATE: September 30, 1997

## INVENTOR-INFORMATION:

NAME

COUNTRY

WATANABE, HIROSHI

KANEKI, HIROYUKI

ITO, KENZO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SHISEIDO CO LTD

APPL-NO: JP08093186

APPL-DATE: March 23, 1996

INT-CL (IPC): A61K 7/00; A61K 9/107; A61K 47/32; B01F 17/52; B01J 13/00

## ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject composition having a substantial feeling in use without utilizing a surfactant by using both a specific polymer and a prescribed oily component as an emulsifying means and setting the particle diameter of the oily component of an inner phase at a fixed value or lower than it.

SOLUTION: Both (A) an alkyl-modified carboxyvinyl polymer (especially preferably an acrylic acid-methacrylic acid alkyl copolymer) and (B) an oily component in a solid state at a room temperature (especially preferably a higher alcohol, solid oils and fats, a wax, a solid hydrocarbon, a higher fatty acid and its salt) are used and the number-average particle diameter of the oily component of an inner phase formed by emulsification is made  $\leq 1\mu\text{m}$ . The amount of the component A blended is preferably  $\geq 0.01\text{wt.}\%$  and  $\leq 10\text{wt.}\%$ , especially  $\geq 0.05\text{wt.}\%$  and  $\leq 5\text{wt.}\%$  based on the total of the composition. The amount of the component B blended is preferably  $\geq 0.05\text{wt.}\%$  and  $\leq 20\text{wt.}\%$ , especially  $\geq 1\text{wt.}\%$  and  $\leq 10\text{wt.}\%$ . The component composition is preferably emulsified by using a nonaqueous emulsification method, a D-phase emulsification method or a phase inversion temperature emulsification method.

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L1: Entry 2 of 2

File: DWPI

Sep 30, 1997

DERWENT-ACC-NO: 1997-553398

DERWENT-WEEK: 199751

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TITLE: Oil in water type emulsified composition for cosmetic base - contains alkyl degenerated carboxy-vinyl polymer and oily component solid at room temperature

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SHISEIDO CO LTD

SHIS

PRIORITY-DATA: 1996JP-0093186 (March 23, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 09255529 A	September 30, 1997		010	A61K007/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP09255529A	March 23, 1996	1996JP-0093186	

INT-CL (IPC): A61K 7/00; A61K 9/107; A61K 47/32; B01F 17/52; B01J 13/00

ABSTRACTED-PUB-NO: JP09255529A

BASIC-ABSTRACT:

Oil in water type emulsified composition has an average particle size of at most 1  $\mu$  m of the oily component and contains (A) alkyl degenerated carboxyvinyl polymer, particularly alkyl acrylate/methacrylate copolymer, especially at concentrations of 0.01-10 (preferably 0.05-5) wt.% and (B) an oily component solid at room temperature, particularly at concentrations of 0.5-20 (preferably 1-10) wt.%.

USE - The composition is used as a cosmetic base.

ADVANTAGE - The composition is safe and stable at low temperature. In an example, an emulsion comprising an oily phase of 15.0 wt.% of liquid paraffin, 1.0 wt.% each of dimethylpolysiloxane and stearic acid, 4.0 wt.% of stearyl alcohol and an aqueous phase of 0.2 and 0.1 wt.% each of 2 types of alkyl degenerated carboxyvinyl polymers, 10.0 wt.% of glycerine, 1.0 wt.% of ethanol, 0.5 wt.% of methyl p-hydroxybenzoate and balance deionised water gave good feeling and stability at low temperature.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS: OIL WATER TYPE EMULSION COMPOSITION COSMETIC BASE CONTAIN ALKYL DEGENERATE CARBOXY VINYL POLYMER OIL COMPONENT SOLID ROOM TEMPERATURE

DERWENT-CLASS: A14 A96 B07 D21

CPI-CODES: A04-A03; A04-F06E5; A07-B02; A12-V04; B04-C03B; B12-M03; B14-R01;  
D08-B10;

## CHEMICAL-CODES:

## Chemical Indexing M1 \*01\*

## Fragmentation Code

H7 H714 H721 J0 J011 J1 J171 M210 M212 M262  
M281 M320 M416 M423 M431 M782 M903 M904 M910 Q254  
R022 V743

## Specific Compounds

00446M 00446Q

## Registry Numbers

0446S 0446U

## Chemical Indexing M1 \*02\*

## Fragmentation Code

H7 H721 J0 J011 J1 J171 M210 M213 M232 M262  
M281 M320 M416 M423 M431 M782 M903 M904 M910 Q254  
R022 V743

## Specific Compounds

00460M 00460Q

## Registry Numbers

0460S 0460U

## Chemical Indexing M1 \*03\*

## Fragmentation Code

B414 B713 B720 B744 B796 B799 B833 M210 M211 M250  
M283 M320 M423 M431 M510 M520 M530 M540 M620 M782  
M903 M904 Q254 R022 V743

## Specific Compounds

08017M

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0446S; 0446U ; 0460S ; 0460U

## ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; P1456 P1445 F81 F86 D01 D11 D50 D82 Si 4A ; S9999 S1025 S1014  
Polymer Index [1.2] 018 ; G2357 G0975 D01 D12 D10 D23 D27 D32 D42 D55 D51 D57 D58 D76  
F24 F34 ; R00446 G0282 G0271 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D60 D83 F36 F35  
; H0022 H0011 ; M9999 M2391 ; S9999 S1025 S1014 ; P0088 Polymer Index [1.3] 018 ; G0384\*R  
G0339 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D63 F41 F89 G0340\*R D11 ; H0011\*R ;  
S9999 S1025 S1014 ; P0088 Polymer Index [1.4] 018 ; ND01 ; Q9999 Q9176 Q9165 ; K9905 ;  
B9999 B4488 B4466 ; B9999 B3532 B3372 ; B9999 B3178 ; K9370 ; K9927

## SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-176820